

# STATE OF CONNECTICUT

## DEPARTMENT OF PUBLIC HEALTH

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Commissioner



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### Environmental Health Section

## **Environmental Engineering Program (EEP) November 16, 2017 Code Advisory Committee (CAC) Meeting**

### **Meeting Sign-in (Members & Visitors), CAC Member Updates, Visitor Comments**

- CT Association of Directors of Health
- CT Association of Water Pollution Control Authorities
- CT Environmental Health Association (CEHA)
- CT Onsite Wastewater Recycling Association
- Department of Energy and Environmental Protection: Status of the General Permit for the Discharge of Low Flow Water Treatment Wastewater
- Home Builders and Remodelers Association of CT
- Professional Engineers
- Soil Scientists
- Invited Guests (DPH Drinking Water Officials (PWP, DWS), CT Well Water Association, Private Well Task Force, CEHA Subsurface Workgroup, Interested Party Distribution List)
- Visitors

### **Water Supply Matters**

- **Well Siting Exceptions:**
  - **Department of Public Health (DPH):** June 30, 2009 DPH Legislative Recommendations (required per Public Act 08-184, Sec. 51) concerning the adequacy/purity of private water supply wells and a variance mechanism for replacement wells that can't meet the siting requirements in PHC Section 19-13-B51d (B51d). The report included suggested draft regulations that would allow DPH to grant a private well siting variance. Regulation revisions are still in draft form.
  - **Department of Consumer Protection Plumbing and Piping Work Examining Board (DCP P & P Board):** The agenda for a Special Meeting on November 14, 2017 indicates the board is considering a request for a hardship exemption pursuant to CGS Sec. 25-133 to allow drilling of a replacement well less than 75 feet to several septic systems. A second such request is on the agenda for an upcoming December 12, 2017 DCP P & P Board meeting.
  - **Septic System Codes and Considerations:**
    1. **New Construction:** PHC Section 19-13-B103e (a) (2) prohibits the issuance of new septic system permits if neither public water nor a satisfactory well site (PHC Sections 19-13-B51a – 19-13-B51m) is available.
    2. **Developed Sites:** An applicant seeking to install a replacement well (both B51d compliant and non-compliant) on a site with a septic system would need to demonstrate compliance w/ PHC Section 19-13-B100a (e) to the local director of health, which would ensure the replacement well doesn't eliminate the building's code-complying area or reduce potential repair area. DPH's Technical Standards for Subsurface Sewage Disposal Systems has language in Section II about maintaining minimum separating distances between various items, including wells, from septic systems except for the replacement of a legally existing item.



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### **Nonpoint Source Pollution Matters**

- **DEEP Consultant Study:** The study to evaluate on-site sewage system nitrogen loading/management options in CT coastal areas was on the agendas and previously discussed at the June 8, 2017 and March 2, 2017 CAC meetings. The contract end date has been extended to September 30, 2018. DEEP forwarded the approved contract to the EEP and it includes a 9-page scope of work.

### **Revisions to the *Technical Standards for Subsurface Sewage Disposal Systems (Technical Standards)***

- Revisions to be published on January 1, 2018
- A summary of proposed revisions (dated 10-26-17, see bottom of last page) has been sent electronically to the CAC and other interested parties, and is being posted on the DPH website.
- April 2016 Water Research Foundation, Residential End Uses of Water, Version 2: Executive Report (attachment)
- Noteworthy changes to summary (10-26-17 vs 9-14-17 versions):
  - Updated Appendix Language
  - Stone Aggregate definition revisions correlated to new specifications in DOT Form 817
  - Septic tank sizing requirements for subsurface sewage disposal systems (SSDS's) designed to handle water treatment wastewater (WTW)
  - Passive nitrogen reduction technology language revised and moved from Section VIII (Leaching Systems) to Section VI (Effluent Distribution, Pump Systems, & Air Injection Processes)
  - Revised new language in Sections VII (Percolation Tests) and VIII concerning "elevated" leaching systems
  - Revise new language in Section VIII about leaching system separation above maximum groundwater and ledge rock.
  - Clarified language in Section VIII about the creation of new lots with unsuitable soil within 10 feet of primary and reserve leaching areas.
  - Clarified new language in Section VIII about central system designs for single-family residential buildings and residential outbuildings.
  - Significant revisions to Section X (Currently: Other Wastewater, Proposed: Water Treatment Wastewater (WTW)):
    1. On-site WTW discharge approvals shall be issued by local director of health or Phase I sewage certified/licensed sanitarian.
    2. Various WTW Dispersal System receiving structures, per the DEEP/DPH delegation agreement, are cited.
    3. Submissions shall be by applicant, which is property owner or duly authorized agent.
    4. Clarified language about advance WTW design approvals, and 19-13-B100a considerations.
    5. New language concerning WTW Dispersal Systems within the sanitary radii of a private well.
    6. New language concerning WTW discharges to SSDS's, and reference to new appendix (Appendix E) that lists the various WTW categories and conditions for discharges to SSDS's.
  - New language in several Forms including reference to Soil Scientists participating in site investigations.
  - The current three categories in MLSS Appendix A may be further broken down for clarity.
  - New Appendix E (Authorized WTW Discharges to SSDS's)
- Discussion of proposed revisions
- Questions and Comments